

## ABSTRACT OF THE DISCLOSURE

An automated and adaptive digital image/video and/or sensor surveillance system is provided in a massively and pervasively deployed sensor/image surveillance environment using virtual configuration perimeters for all the subsystems and processes which allow triggered events to be automatically captured by virtual event perimeters in environments where unattended operation and automatic support needs to be provided for real-time event analysis, automatic event tracking, or for storage and retrieval of sensory or visual event information within the scope of the large scale spatio-temporal domain of a target surveillance environment. All operations are performed in the framework of the captured data, information, and knowledge derived through fusion operations and captured in a relational surveillance database subsystem. The information collected and derived knowledge may be used to dynamically create new virtual event perimeters and new virtual configuration perimeters to enable the system to learn and adapt to events as they take place.